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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	
	First Named Inventor	Danyang Liu
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Methods of Designing Optimal PID Controllers

(Title of the Invention)

the specification of which

☐ Is attached hereto
OR

☒ was filed on (MM/DD/YYYY) 06/07/2001

as United States Application Number or PCT International

Application Number PCT/IB01/01002 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
2,311,268	Canada	06/20/2000	<input checked="" type="checkbox"/>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

(1 January 2001)

US

Annex US III, page 2

PCT Applicant's Guide - Volume II - National Chapter - US

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label OR ☒ Correspondence address below

Name Danyang Liu

Address #108, 10615-111 street

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City Edmonton State Alberta ZIP T5H 3G1

Country Canada CAX Telephone 1-780-424-5074 Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) Danyang

Family Name or Surname Liu

Inventor's Signature Danyang Liu

Date Feb 8, 2002

Residence: City Edmonton State Alberta Country Canada Citizenship Canadian

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NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) Wuyang

Family Name or Surname Liu

Inventor's Signature 刘 午 13H

Date 1/14/2002

Residence: City Nanchang State Jiangxi Country China Citizenship Chinese

Mailing Address #316 San Jing Road, P.O. Box 112

Mailing Address

City Nanchang State Jiangxi ZIP 330006 Country P.R. China

☐ Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PTO/SB/09 (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR	Docket Number (Optional)			
<p>Applicant, Patentee, or Identifier: <u>Wuyang Liu, Danyang Liu</u></p> <p>Application or Patent No.: <u>PCT/IB01/01002</u></p> <p>Filed or Issued: <u>Filed</u></p> <p>Title: <u>Methods of Designing Optimal PID Controllers</u></p> <p>As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:</p> <p><input type="checkbox"/> the specification filed herewith with title as listed above.</p> <p><input checked="" type="checkbox"/> the application identified above.</p> <p><input type="checkbox"/> the patent identified above.</p> <p>I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).</p> <p>Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:</p> <p><input checked="" type="checkbox"/> No such person, concern, or organization exists.</p> <p><input type="checkbox"/> Each such person, concern, or organization is listed below</p> <p>Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)</p> <p>I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 33%; text-align: center;"> <u>Wuyang Liu</u> NAME OF INVENTOR <u>刘午阳</u> Signature of Inventor <u>1/14/2002</u> Date </td> <td style="width: 33%; text-align: center;"> <u>Danyang Liu</u> NAME OF INVENTOR <u>Danyang Liu</u> Signature of Inventor <u>Feb 8, 2002</u> Date </td> <td style="width: 33%; text-align: center;"> NAME OF INVENTOR Signature of inventor Date </td> </tr> </table>		<u>Wuyang Liu</u> NAME OF INVENTOR <u>刘午阳</u> Signature of Inventor <u>1/14/2002</u> Date	<u>Danyang Liu</u> NAME OF INVENTOR <u>Danyang Liu</u> Signature of Inventor <u>Feb 8, 2002</u> Date	NAME OF INVENTOR Signature of inventor Date
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(July 1998)